



GP 2684

Patent  
Attorney's Docket No. 027575-152

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of )  
John G. FREED ) **Non-Fee Amendment**  
Application No.: 09/035,944 ) Group Art Unit: 2684  
Filed: March 6, 1998 ) Examiner: Y. Waldetatos  
For: System and Method of Improving the )  
Dynamic Range of a Receiver in the )  
Presence of a Narrowband Interfering Signal )

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AMENDMENT/REPLY TRANSMITTAL LETTER

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Enclosed is a reply for the above-identified patent application.

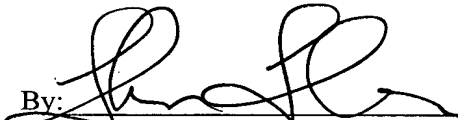
No additional claim fee is required.

The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17, 1.20(d) and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

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Respectfully submitted,

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Date: *February 6, 2001*



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John G. FREED )

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SIGNAL )

Group Art Unit: 2684

Examiner: Y. Waldetatos

#10 Request for reconsideration

2-13-01

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**RESPONSE**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

This paper is responsive to the Office Action mailed on November 9, 2000, pertaining to the above-identified application. Applicant offers the following response to address the issues raised in the Office Action, and respectfully requests reexamination, reconsideration and allowance of the pending claims at an early date. Claims 1-21 are now pending in this application. Claims 1, 8 and 15 are in independent form.

**REMARKS**

Claims 1-21 were rejected as obvious over U.S. Patent No. 5,930,692 to Peterzell et al. ("Peterzell") in view of U.S. Patent No. 5,570,373 to Wing. This rejection is respectfully traversed.

Claim 1 recites an apparatus for improving the dynamic range of a receiver. The apparatus includes a processor for computing an error rate of a received signal and a low noise amplifier with an adjustable input intercept point. The input intercept point is adjusted depending on the computed error rate.

Peterzell teaches adjusting the LNA gain on a continuous basis using adjustable gain control (AGC) at the receiver front end. A power detector detects the received signal and